

**REMARKS**

Claims 1-5 and 7-12 are pending in this application are pending in this application. Claims 8-12 are withdrawn. By this Amendment, claim 1 is amended. Claim 6 is canceled without prejudice to, or disclaimer of, the subject matter therein.

The subject matter of claim 6 is incorporated into claim 1. Additionally, claim 1 is amended to recite that the terminal electrode contains a glass material. Support for this subject matter is found in the specification at paragraph [0043]. Claim 1 is also amended to recite that the metals contained in the inner and outer electrodes have a crystal structure of face-centered cubic lattice. Support for this subject matter is found in the specification in paragraph [0045].

In paragraph 3 on pages 2 and 3, the Office Action rejects claims 1, 2, 4, 5 and 7 under 35 U.S.C. §102(b) as being anticipated by JP 2000-164406 to Yoshida et al. (hereinafter "Yoshida"). This rejection is respectfully traversed.

The rejection in paragraph 3 is not applied to claim 6. The subject matter of claim 6 is incorporated into claim 1, from which claims 2, 4, 5 and 7 depend. It is respectfully submitted that Yoshida does not disclose, teach or suggest this subject matter.

For at least the foregoing reasons, it is respectfully requested that the rejection of claims 1, 2, 4, 5 and 7 as being anticipated by Yoshida, be withdrawn.

In paragraph 4 on pages 3 and 4, the Office Action rejects claims 1-4, 6 and 7 under 35 U.S.C. §102(b) as being anticipated by JP 05-006805 to Nakamura et al. (hereinafter "Nakamura"). This rejection is respectfully traversed.

Claim 6 is canceled without prejudice to, or disclaimer of, the subject matter therein.

Claim 1, from which claims 2-4 and 7 depend, recites that the terminal electrode contains a glass material. It is respectfully submitted that Nakamura does not disclose, teach or suggest that the terminal electrode contains a glass material.

Claim 1 also recites that metals contained in the inner and outer electrodes have a crystal structure of face-centered cubic lattice. Nakamura does not disclose, teach or suggest this subject matter.

For at least the foregoing reasons, it is respectfully requested that the rejection of claims 1-4, 6 and 7 as being anticipated by Nakamura, be withdrawn.

In paragraph 6 on pages 4 and 5, the Office Action rejects claim 6 under 35 U.S.C. §103(a) as being unpatentable over Yoshida or Nakamura in view of U.S. Patent No. 4,290,041 to Utsumi et al. (hereinafter "Utsumi"). This rejection is respectfully traversed.

Claim 6 is canceled without prejudice to, or disclaimer of, the subject matter therein. That subject matter is incorporated into claim 1. Claim 1 is allowable over Yoshida and Nakamura for the reasons stated above in connection with the rejections of claim 1 based on Yoshida and Nakamura. Utsumi fails to overcome the deficiencies in Yoshida and Nakamura described above.

Metals having the crystal structure of face-centered cubic lattice experience the following benefits. The Kirkendall effect occurs between the inner electrode and the outer electrode. The Kirkendall effect improves a joint performance between the inner electrode and outer electrode. This is described in greater detail in the specification in paragraphs [0045] and [0085]. Because Yoshida, Nakamura and Utsumi do not disclose metals in an inner and outer electrode that have the crystal structure of face-centered cubic lattice, those references are also silent regarding this beneficial Kirkendall effect of such structure.

For at least the foregoing reasons, it is respectfully requested that the rejection of claim 6 as being unpatentable over Yoshida or Nakamura in view of Utsumi, be withdrawn.

In section 7 on page 5, the Office Action rejects claim 3 under 35 U.S.C. §103(a) as being unpatentable over Yoshida or Nakamura in view of U.S. Patent Publication No. 2002/0109575 to Jeong et al. (hereinafter "Jeong"). This rejection is respectfully traversed.

Claim 3 is allowable based at least on its dependence from claim 1 for the reasons stated above in connection with the rejections of claim 1 and the rejection of claim 6. Jeong fails to overcome the deficiencies described above in connection with Yoshida, Nakamura and Utsumi.

For at least the foregoing reasons, it is respectfully requested that the rejection of claim 3 as being unpatentable over Yoshida or Nakamura in view of Jeong, be withdrawn.

In view of the foregoing, it is respectfully submitted that this application is in condition for allowance. Favorable reconsideration and prompt allowance of claims 1-5 and 7-12 are earnestly solicited.

Should the Examiner believe that anything further would be desirable in order to place this application in even better condition for allowance, the Examiner is invited to contact the undersigned at the telephone number set forth below.

Respectfully submitted,



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